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ONE METROPOLITAN SQUARE, 16TH FLOOR				
ST. LOUIS, MO 63102				
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			2179	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Office Action Summary	Application No. 10/728,697	Applicant(s) ANTONELLI ET AL.	
	Examiner Thuy Osberg	Art Unit 2179	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-40 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-40 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This communication is responsive to the original application filed 12/03/2003.

This action is **Non-Final**. Claims 1-40 are pending and have been examined.

Claim Rejections - 35 USC § 101

2. **35 U.S.C. 101 reads as follows:**

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

3. **Claims 13-21 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.**

As to claim 13, a “one or more computer-readable medium” is being recited; however, as disclosed by the specification sections, the claim is directed to data signal and electromagnetic carrier wave that carries solely the signal, which constitute non-statutory subject matter.

As to claim 14:

A “computer-readable medium” is being recited; however, as disclosed by the specification sections, the claim is directed to data signal and electromagnetic carrier wave that carries solely the signal, which constitute non-statutory subject matter.

A “data structure” is being recited; however, the claim is directed to a non-

Art Unit: 2179

functional data structure that presents non-statutory subject matter.

As such, claims 15-21 are rejected as incorporating the deficiencies of a claim upon which it depends.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

5. Claims 1-12 are rejected under 35 U.S.C. 102(e) as being anticipated by Bryan et al. (US Patent 7,133,869), hereinafter “Bryan”.

The Examiner has pointed out particular references contained in the prior arts of record in the body of this action for the convenience of the Applicant. Although the specified citations are representation of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. The Applicant should consider the entire prior art as applicable as to the limitations of the claims. It is respectfully requested from the Applicant, in preparing the response, to consider fully the entire references as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior arts or disclosed by the Examiner.

As claim 1, Bryan teaches a method of generating notifications in a notifications system (col. 3, lines 7-10), said notifications system being configured to provide notifications to subscribers (col. 2, lines 31-37) via a data communication network (fig. 2, labels 100, 200, 202,

Art Unit: 2179

204, 208, 210, 212; col. 6, lines 4-22), said notifications containing content provided by one or more content providers (col. 2, lines 46-47; fig. 12; col. 10, line 67; col. 11, lines 1-14), said method comprising:

receiving a parameter-driven template (fig. 1, labels 116; col. 3, lines 7-10; col. 5, lines 42-55) from a content provider(fig. 1, label 138; col. 5, lines 55-58), said template containing one or more parameters specified by the content provider (fig. 1, labels 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138; col. 5, lines 47-55; col. 10, lines 39-43), said parameters relating to a subscription for notifications (col. 5, lines 59-67);

enabling a notifications application based on the received template (fig. 1, label 102; col. 5, lines 2-9), said notifications application mapping a recurring event (fig. 3-6; col. 9, lines 37-41, that the ticket problem is recurring event) to one or more subscribers as a function of the parameters specified by the content provider (col. 4, lines 65-67; col. 5, lines 1-9).

and executing the notifications application to generate a notification in response to the recurring event and to deliver the notification to the subscribers (col. 4, lines 65-67; col. 5, lines 1-9).

As claim 2, Bryan further teaches providing the template to the content provider for completion by the content provider (fig. 6, labels 610-616, "Submit" button; col. 9, lines 26-29, that by updating the knowledge switch 100 by submitting the template, you are enabling the content provider to complete the cycle by delivering the notifications).

As claim 3, Bryan further teaches defining, with the template, a category of events for which the notifications are to be generated (fig. 1, labels 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138; col. 5, lines 47-58).

As claim 4, Bryan further teaches defining, with the template, when the notifications are to be delivered (fig. 9, label 132; col.10, lines 21-32, that to establish a time when the notifications will be delivered, based on the template parameter).

As claim 5, Bryan further teaches one of the parameters specified by the content provider relates to delivery of the notifications at a predetermined time of day (fig. 9, label 132; col.10, lines 21-32, that the schedule template provides parameters specifying when (time) the notification will be delivered).

As claim 6, Bryan further teaches the method of claim 5, further comprising matching a most recent instance of the recurring event to the subscription to generate the notifications (fig. 3-6; col. 9, lines 37-41, that the ticket problem is recurring event; col. 4, lines 65-67; col. 5, lines 1-9) for delivery at the predetermined time of day (fig. 9, label 132; col.10, lines 21-32, that the schedule template provides parameters specifying when (time) the notification will be delivered).

As claim 7, Bryan further teaches one of the parameters specified by the content provider relates to delivery of the notifications upon occurrence of the recurring event (col. 9, lines 37-41, the ticket problem is the recurring event, which triggers the "be alert" message).

As claim 8, Bryan further teaches matching the recurring event to the subscription to generate the notifications for broadcast delivery upon occurrence of the recurring event (col. 9, lines 33-41, the ticket problem is the recurring event, which triggers the broadcast of the “be alert” message).

As claim 9, Bryan further teaches providing a user interface for the subscribers to manage the subscription (fig. 1, label 114; col. 5, lines 36-42).

As claim 10, Bryan further teaches the method of claim 1, wherein the notifications relate to one or more of following topics: horoscope, lottery, and news (fig. 1, label 116, col. 5, 42-48, that the news template allows the user to select news notifications).

As claim 11, Bryan further teaches defining the template based on common features of a plurality of notifications applications (fig. 1, labels 116-138; col. 5, lines 47-55; col. 10, lines 39-43; col. 7, lines 44-47, that as shown in figure 1, the templates contain functional logic).

As claim 12, Bryan further teaches enabling the notifications application based on the received template includes creating an application definition file that describes the notifications application (fig. label 100; col. 4, lines 62-67; col. 5, lines 1-9; fig. 2, labels 100, 200, 202, 204, 208, 210, 212; col. 6, lines 4-22).

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 13-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bryan in view of Eichstaedt et al. (US Pub 2005/0027741), hereinafter "Eichstaedt".

As claim 13, Bryan does not teach one or more computer-readable media having computer-executable instructions for performing the method of claim 1.

However, Eichstaedt teaches one or more computer-readable media having computer-executable instructions for performing the method of claim 1 (fig. 7, labels 316, 326, 328; par [0082], lines 13-16; par [0083]).

Therefore, it would have been obvious to one ordinary skill in the art the time the invention to modify Bryan by having one or more computer-readable media having computer-executable instructions for performing the method of claim 1 as taught by Eichstaedt in order to provide a system containing a user interface and instructions on a computer provide functionality and enhance the overall performance.

As **claim 14**, Bryan teach a data structure defining an application for use in a notifications system (fig. 11, label 1104; col. 10, lines 53-60; fig. 12, label 1200; col. 10, line 67; col. 11, lines 1-9), said notifications system being configured to execute the defined application for providing notifications to subscribers (col. 2, lines 31-37) via a data communication network (fig. 2, labels 100, 200, 202, 204, 208, 210, 212; col. 6, lines 4-22), said notifications containing content provided by one or more content providers (col. 2, lines 46-47; fig. 12; col. 10, line 67; col. 11, lines 1-14), said data structure comprising:

- a scenario template configured to contain information for defining the application (fig. 1, labels 116; col. 3, lines 7-10; col. 5, lines 42-55), said scenario template having one or more parameters specified by the content provider (fig. 1, labels 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138; col. 5, lines 47-55; col. 10, lines 39-43) and relating to a subscription for notifications (col. 5, lines 59-67);
- a notification generation component responsive to an event feed for mapping a recurring event (fig. 3-6; col. 9, lines 37-41, that the ticket problem is recurring event) to one or more subscribers as a function of the parameters specified by the content provider and generating a notification therefore (col. 4, lines 65-67; col. 5, lines 1-9);
- and a delivery component for routing the notification to the subscribers (col. 4, lines 65-67; col. 5, lines 1-9).

Bryan does not teach a computer-readable medium having a data structure.

However, Eichstaedt teaches a computer-readable medium having a data structure (fig. 7, labels 316, 326, 328; par [0082], lines 13-16; par [0083]).

Therefore, it would have been obvious to one ordinary skill in the art the time the invention to modify Bryan by having a computer-readable medium having a data structure as taught by Eichstaedt in order to provide a system containing a user interface and instructions on a computer provide functionality and enhance the overall performance.

As claim 15, Bryan further teaches the scenario template includes a category component for defining a category of events for which the notifications are to be generated (fig. 1, labels 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138; col. 5, lines 47-58).

As claim 16, Bryan further teaches the scenario template includes a scheduling component for defining when the notifications are to be delivered (fig. 9, label 132; col.10, lines 21-32, that to establish a time (schedule) when the notifications will be delivered, based on the template parameter).

As claim 17, Bryan further teaches one of the parameters specified by the content provider relates to delivery of the notifications at a predetermined time of day (fig. 9, label 132; col.10, lines 21-32, that the schedule template provides parameters specifying when (time) the notification will be delivered).

As claim 18, Bryan further teaches one of the parameters specified by the content provider relates to delivery of the notifications upon occurrence of the recurring event (col. 9, lines 37-41, the ticket problem is the recurring event, which triggers the “be alert” message).

As claim 19, Bryan further teaches a user interface template configured to contain information for defining a user interface corresponding to the application for managing the subscription (fig. 1, label 114; col. 5, lines 36-42).

As claim 20, Bryan further teaches the notifications relate to one or more of following topics: horoscope, lottery, and news (fig. 1, label 116; col. 5, 42-48, that the news template allows the user to select news notifications).

As claim 21, Bryan further teaches the scenario template is based on common features of a plurality of notifications applications (fig. 1, labels 116-138; col. 5, lines 47-55; col. 10, lines 39-43; col. 7, lines 44-47, that as shown in figure 1, the templates contain functional logic).

As claim 22, Bryan teaches a system configured for generating and delivering notifications to subscribers (col. 2, lines 31-37; col. 3, lines 7-10), via a data communication network (fig. 2, labels 100, 200, 202, 204, 208, 210, 212; col. 6, lines 4-22), said notifications containing content provided by one or more content providers (fig. 1, labels 116, 138; col. 3, lines 7-10; col. 5, lines 42-58), said system comprising:
a computing device (fig. 2; col. 12, lines 56-58) coupled to a data communication network (fig. 2, labels 100, 200, 202, 204, 208, 210, 212; col. 6, lines 4-22) and configured to receive a parameter-driven template from a content provider via the data communication network (fig. 1, label 138, fig. 2, labels 100, 200, 202, 204, 208, 210, 212; col. 5, lines 55-58; col. 6, lines 4-22),

Art Unit: 2179

said template containing information provided by the content provider and relating to a subscription for notifications (fig. 1, labels 116; 138; col. 3, lines 7-10; col. 5, lines 42-58); to enable a notifications application based on the template, said notifications application mapping a recurring event (fig. 3-6; col. 9, lines 37-41, that the ticket problem is recurring event) to one or more subscribers (col. 4, lines 65-67; col. 5, lines 1-9) as a function of one or more parameters specified by the content provider (col. 4, lines 65-67; col. 5, lines 1-9) and delivering the notification to the subscribers in response to the recurring event (col. 4, lines 65-67; col. 5, lines 1-9).

Bryan does not teach a computer-readable medium storing computer-executable instructions to be executed on the computing device.

However, Eichstaedt teaches a computer-readable medium storing computer-executable instructions to be executed on the computing device (fig. 7, labels 300, 316, 326, 328; par [0082], lines 13-16; par [0083]).

Therefore, it would have been obvious to one ordinary skill in the art the time the invention to modify Bryan by having a computer-readable medium storing computer-executable instructions to be executed on the computing device as taught by Eichstaedt in order to provide a system containing a user interface and instructions on a computer provide functionality and enhance the overall performance.

As claim 23, Bryan further teaches the computer-readable medium further stores computer-executable instructions to be executed on the computing device to define, with the template, a category of events for which the notifications are to be generated (fig. 1, labels 116,

118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138; col. 5, lines 47-58).

As claim 24, Bryan further teaches the computer-readable medium further stores computer-executable instructions to be executed on the computing device to define, with the template, when the notifications are to be delivered (fig. 9, label 132; col.10, lines 21-32, that to establish a time when the notifications will be delivered, based on the template parameter).

As claim 25, Bryan further teaches one of the parameters specified by the content provider relates to delivery of the notifications at a predetermined time of day (fig. 9, label 132; col.10, lines 21-32, that the schedule template provides parameters specifying when (time) the notification will be delivered).

As claim 26, Bryan further teaches one of the parameters specified by the content provider relates to delivery of the notifications upon occurrence of the recurring event (col. 9, lines 37-41, the ticket problem is the recurring event, which triggers the “be alert” message).

As claim 27, Bryan further teaches the computing device is further configured to receive another parameter-driven template (fig. 1, labels 116; col. 3, lines 7-10; col. 5, lines 42-55) from the content provider (fig. 1, label 138; col. 5, lines 55-58) via the data communication network (fig. 2, labels 100, 200, 202, 204, 208, 210, 212; col. 6, lines 4-22), said other template containing information provided by the content provider (fig. 1, labels 116; col. 3, lines 7-10; col. 5, lines 42-55) and defining a user interface corresponding to the application for managing

Art Unit: 2179

the subscription (fig. 1, label 114; col. 5, lines 36-42).

As claim 28, Bryan further teaches the notifications relate to one or more of following topics: horoscope, lottery, and news (fig. 1, label 116, col. 5, 42-48, that the news template allows the user to select news notifications).

As claim 29, Bryan further teaches the template is based on common features of a plurality of notifications applications (fig. 1, labels 116-138; col. 5, lines 47-55; col. 10, lines 39-43; col. 7, lines 44-47, that as shown in figure 1, the templates contain functional logic).

As claim 30, Bryan further teaches the computer-readable medium further stores computer-executable instructions to be executed on the computing device to create an application definition file that describes the notifications application (fig. label 100; col. 4, lines 62-67; col. 5, lines 1-9; fig. 2, labels 100, 200, 202, 204, 208, 210, 212; col. 6, lines 4-22).

As claim 31, Bryan further teaches comprising a subscription store configured to store notification offerings described by the application definition file (fig. label 100; col. 4, lines 62-67; col. 5, lines 1-9; fig. 2, labels 100, 200, 202, 204, 208, 210, 212; col. 6, lines 4-22).

As claim 32, Bryan does not teach the computer-readable medium further stores computer-executable instructions to be executed on the computing device to validate incoming subscription management requests and commit the requests to the subscription store.

Art Unit: 2179

However, Eichstaedt teaches computer-readable medium further stores computer-executable instructions to be executed on the computing device (fig. 7, labels 300, 316, 326, 328; par [0082], lines 13-16; par [0083]) to validate incoming subscription management requests (fig. 3, label 184; par [0034]) and commit the requests to the subscription store (fig. 1, labels 103, 104; par [0017], lines 20-24).

Therefore, it would have been obvious to one ordinary skill in the art the time the invention to modify Bryan by having the computer-readable medium further stores computer-executable instructions to be executed on the computing device to validate incoming subscription management requests and commit the requests to the subscription store as taught by Eichstaedt in order to provide a functionality by validating the subscription requests and ensuring proper configuration.

As claim 33, Bryan further teaches the computer-readable medium further stores computer-executable instructions to be executed on the computing device to generate the notification based on matching external events with corresponding subscriptions (col. 9, lines 33-41, the ticket problem is the recurring event, which triggers the broadcast of the “be alert” message).

As claim 34, the rejection is as same as the rejection of claim 13 above.

Art Unit: 2179

As claim 35, Bryan further the template is predefined and re-usable (fig. 1, labels 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138; col. 5, lines 47-55; col. 10, lines 39-43).

As claim 36, Bryan teaches a notification system for generating and delivering notifications to subscribers (col. 2, lines 31-37; col. 3, lines 7-10), said notifications containing content provided by one or more content providers (fig. 1, labels 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138; col. 5, lines 47-55, 59-67; col. 10, lines 39-43), said system comprising:

a computing device (col. 12, lines 56-58) coupled to a data communication network (fig. 2, labels 100, 200, 202, 204, 208, 210, 212; col. 6, lines 4-22), said computing device (col. 12, lines 56-58) being configured to receive a parameter-driven template (fig. 1, labels 116; col. 3, lines 7-10; col. 5, lines 42-55) from a content provider (fig. 1, label 138; col. 5, lines 55-58) via the data communication network (fig. 2, labels 100, 200, 202, 204, 208, 210, 212; col. 6, lines 4-22), said template containing information provided by the content provider and relating to a subscription for notifications (fig. 1, labels 116; 138; col. 3, lines 7-10; col. 5, lines 42-58);

a subscription store (fig. 1, label 110; col. 5, line5) associated with the computing device, said subscription store being configured to store one or more notification offerings (fig. 1, label 110; col. 5, line 5, that contents is the notification offering) described by an application definition file (fig. label 100; col. 4, lines 62-67; col. 5, lines 1-9; fig. 2, labels 100, 200, 202, 204, 208, 210, 212; col. 6, lines 4-22);

Art Unit: 2179

to enable a notifications application according to the application definition file (fig. label 100; col. 4, lines 62-67; col. 5, lines 1-9; fig. 2, labels 100, 200, 202, 204, 208, 210, 212; col. 6, lines 4-22), said notifications application delivering the notification to the subscribers in response to a recurring event (col. 4, lines 65-67; col. 5, lines 1-9).

Bryan does not teach a computer-readable medium storing computer-executable instructions to be executed on the computing device.

However, Eichstaedt teaches a computer-readable medium storing computer-executable instructions to be executed on the computing device (fig. 7, labels 300, 316, 326, 328; par [0082], lines 13-16; par [0083]).

Therefore, it would have been obvious to one ordinary skill in the art the time the invention to modify Bryan by having a computer-readable medium storing computer-executable instructions to be executed on the computing device as taught by Eichstaedt in order to provide a system containing a user interface and instructions on a computer provide functionality and enhance the overall performance.

As claim 37, Bryan further teaches the computer-readable medium further stores computer-executable instructions to be executed on the computing device to define, with the template, a category of events for which the notifications are to be generated (fig. 1, labels 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138; col. 5, lines 47-58).

As claim 38, Bryan further teaches the computer-readable medium further stores computer-executable instructions to be executed on the computing device to define, with the

Art Unit: 2179

template, when the notifications are to be delivered (fig. 9, label 132; col.10, lines 21-32, that to establish a time when the notifications will be delivered, based on the template parameter).

As claim 39, Bryan further teaches one of the parameters specified by the content provider relates to delivery of the notifications at a predetermined time of day (fig. 9, label 132; col.10, lines 21-32, that the schedule template provides parameters specifying when (time) the notification will be delivered).

As claim 40, Bryan further teaches one of the parameters specified by the content provider relates to delivery of the notifications upon occurrence of the recurring event (col. 9, lines 37-41, the ticket problem is the recurring event, which triggers the “be alert” message).

Conclusion

8. The prior art made of record on form PTO-892 and not relied upon is considered pertinent to applicant's disclosure. Applicant is required under 37 C.F.R. 1.111(c) to consider these references fully when responding to this action.

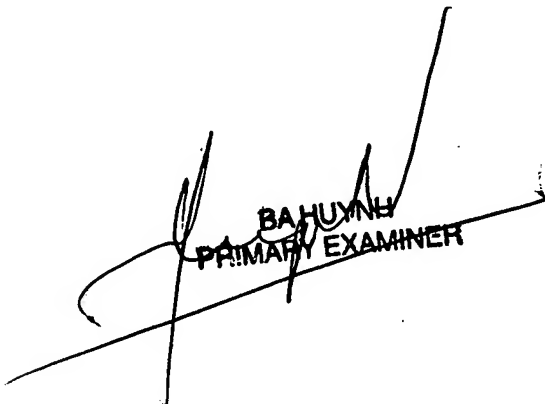
9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuy Osberg whose telephone number is 571-270-1258. The examiner can normally be reached on Monday-Friday (8:30AM-5:00PM).

Art Unit: 2179

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on 571-272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TTO


BA HUYNH
PRIMARY EXAMINER